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LED CROSS-LINKABLE PHOSPHOR COATING

ABSTRACT

A light source (10) includes a light emitting component (32), such as a UV/blue light emitting diode or laser diode coated with a layer (60) of a phosphor material (64). The phosphor material converts a portion of the light emitted by the light emitting component to light of a longer wavelength, such as yellow light. The thickness d of the layer varies across the light emitting component in relation to the intensity of light emitted by the light emitting component. This maintains a uniform color of the emission from the light source while minimizing the loss in light intensity (brightness) due to the presence of the phosphor.

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